

ABSTRACT OF DISCLOSURE

The invention relates to a reaction vessel (1) for producing a sample, in particular a crystal, from a substance in solution or in liquid form, having several reaction chambers (6) each forming a separate gas chamber, consisting of at least one housing part, and each reaction chamber (6) has a reservoir (7) and several reaction areas (8) co-operating therewith, connected to one another and to the reservoir (7) in order to exchange gas. The reservoirs and the reaction areas co-operating with them are disposed immediately adjacent to one another in rows, distributed in a predeterminable, identical manner, these rows running parallel with one another. Each row of reservoirs (7) therefore co-operates with at least one row of reaction areas (8).

(Fig. 9)

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List of Reference Numbers

1. Reaction vessel
2. Vessel bottom part
3. Vessel top part
4. Vessel floor
5. Vessel wall
6. Reaction chamber
7. Reservoir
8. Reaction area
- 9.
- 10.
11. Height
12. Wall
13. Standing plane
14. Sealing layer
15. Reaction area
16. Arrow
17. Mask
- 18.
19. Housing bottom part
20. Frame

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21. Edge
22. Top face
23. Underside
24. Row width
25. Vessel cover
26. Frame
27. Edge
28. Underside
29. Groove
- 30.
31. Agent
32. Reaction solution
33. Microscope

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